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WHICKHAM  
URBAN DISTRICT COUNCIL.



# Annual Report

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OF THE  
Medical Officer of Health,  
FOR THE  
YEAR ENDED DECEMBER, 1947.

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SWALWELL,  
A. A. FLETCHER & SON, GENERAL PRINTERS, FOUNDRY LANE,  
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PUBLIC HEALTH DEPARTMENT,  
COUNCIL OFFICES,  
WHICKHAM,  
DECEMBER, 1948.

*To the Chairman and Members of  
the Whickham Urban District Council.*

Mr. Chairman and Gentlemen,

I beg to submit to you the Annual Report surveying the state of the Public Health of your Sanitary Area throughout the year 1947. This includes vital statistics and epidemiological tables, the study of which is necessary to compare the state of health of the area with that of previous years. Where appropriate, information is provided to enable comparison to be made with statistics from other Areas. Details are also given of the work carried out by the staff of the Health Department in maintaining and safeguarding the Public Health during the year.

The most pressing problem, that of Housing, it will be seen occupied a great part of the Chief Sanitary Inspector's time in his capacity of House Letting Officer. There can be no doubt, however, that much ill-health, mental and physical, awaits the solution to this problem.

The incidence of tuberculosis remained similar to that of 1946 (44 cases compared with 41), but the lack of hospital accommodation still delays the prompt treatment of early cases and tends to encourage further spread of infection.

During the months July-September we shared with the rest of the country an outbreak of infantile paralysis, but this did not transpire to be so severe as early returns suggested. Only 5 out of 13 cases originally notified were later confirmed and there were no fatalities.

Diphtheria showed a further decline in incidence and severity, and it is to be hoped that whooping-cough, which now has the greatest mortality amongst infants of all the notifiable diseases, will also respond in the near future to protection by improved vaccines.

Due to the prolonged illness and death of Dr. J. W. H. Morrison in September, 1948, an undue share in the work of preparing the Report has fallen to the other members of the Staff, and my thanks are due particularly to the Chief Sanitary Inspector upon whom the brunt has fallen. I must also thank the Chief Financial Officer, the Surveyor and members of their Departments for their ready co-operation in supplying essential information, and I offer apologies if in ignorance, I omit to mention others who have helped in any way.

I am, Gentlemen,

Your obedient servant,

JOHN WILSON MORRISON, M.B., B.S.,

Acting Medical Officer of Health.

## SECTION A.

### STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in Acres: 6,213.

Population—1931 Census: 20,750.

Population—Registrar-General's estimate for mid-1947: 22,530.

Number of inhabited houses:

Council, 1,421; Other, 4,858; Total, 6,279.

Rateable Value: £175,359.

Sum represented by a penny rate: £629.

### SOCIAL CONDITIONS AND PHYSICAL FEATURES OF THE AREA

There has not been any alteration in the boundaries during 1947. The boundaries of the Urban District remain as formerly, viz., to the North, the River Tyne; to the West, the River Derwent; to the East, the County Borough of Gateshead and the Rural District of Chester-le-Street; to the South, by the Stanley Urban District. The Area is divided into four Wards.

**1—Dunston:** This Ward represents the largest proportion of the population of the District and is chiefly industrial. The population finds its employment at Flour Mills, Soap Works, the Electrical Power Station and in Shipping. The only coal-mine in this Ward closed down during the year and its employees were distributed to other mines in the neighbourhood.

**2—Swalwell:** The chief industries are Coal-mining, Brick-making and Metal-working. A screening plant used in connection with open-cast coalworkings is situated to the North end of the Ward.

**3—Whickham:** Is semi-rural in character, residential and partly industrial, including Coal-mining.

**4—Marley Hill:** This Ward is very scattered and essentially rural. Coal-mining and Open-cast Coal workings are the chief industries.

## UNEMPLOYMENT

Unemployment shows a slight decrease. The following information has been supplied by Mr. Fishpool, Manager of the Local Employment Exchange at Dunston:—

YEAR	AVERAGE MONTHLY FIGURE OF UNEMPLOYMENT	YEAR	AVERAGE MONTHLY FIGURE OF UNEMPLOYMENT
1938	800	1943	70
1939	517	1944	50
1940	300	1945	160
1941	50	1946	200
1942	48	1947	160

The number of unemployed in December, 1947, was 145 and of this number 72 were considered to be unfit for normal industrial employment due to physical defects or their inclusion in the older age groups. Of the balance, the majority were men unemployed for a short period only (2 to 4 weeks).

## EXTRACTS FROM VITAL STATISTICS

### Births

The total number of births registered was 464 and the natural increase of population (i.e. excess of births over deaths) 176. There were 13 still-births.

The birth rate was 20.59 per 1,000 population as compared with 19.50 for 1946. Comparison tables are given.

Live Births - Whickham U.D. Area.						
	1946			1947		
	Male	Female	Total	Male	Female	Total
Legitimate	207	200	407	231	221	452
Illegitimate	14	13	27	8	4	12
Total	221	213	434	239	225	464
Birth Rate	19.50 per 1,000 population			20.59 per 1,000 population		



### Still Births - Whickham U.D. Area.

	1946			1947		
	Male	Female	Total	Male	Female	Total
Legitimate	5	4	9	7	4	11
Illegitimate	—	—	—	1	1	2
Total	5	4	9	8	5	13
Still Birth Rate	0.40 per 1,000 population			0.57 per 1,000 population		

### 1947 - Still and Live Births - Whickham, compared with Country generally. Rates per 1,000 population.

	Whickh'm	County Durham	England and Wales	126 Cty. Boro's and Grt. Towns inclu'g London	148 Smaller T's Resident pop'n 25,000 - 50,000
Live Births	20.59	22.2	20.50	23.3	22.2
Still Births	00.57	00.59	00.50	00.62	00.54

### Deaths

The total number of deaths during 1947 was 288 and the death rate 12.78 as compared with 10.69 for 1946.

### Infantile Mortality

There were 23 infantile deaths recorded (13 male and 10 female) giving an infantile mortality rate of 49.57 as compared with 50.69 last year.

### Maternal Mortality

Two maternal deaths were recorded, giving a maternal mortality rate of 4.31 as compared with 2.3 for 1946. The figure for England and Wales for the year 1947 was 1.17 and for Durham County 2.16.

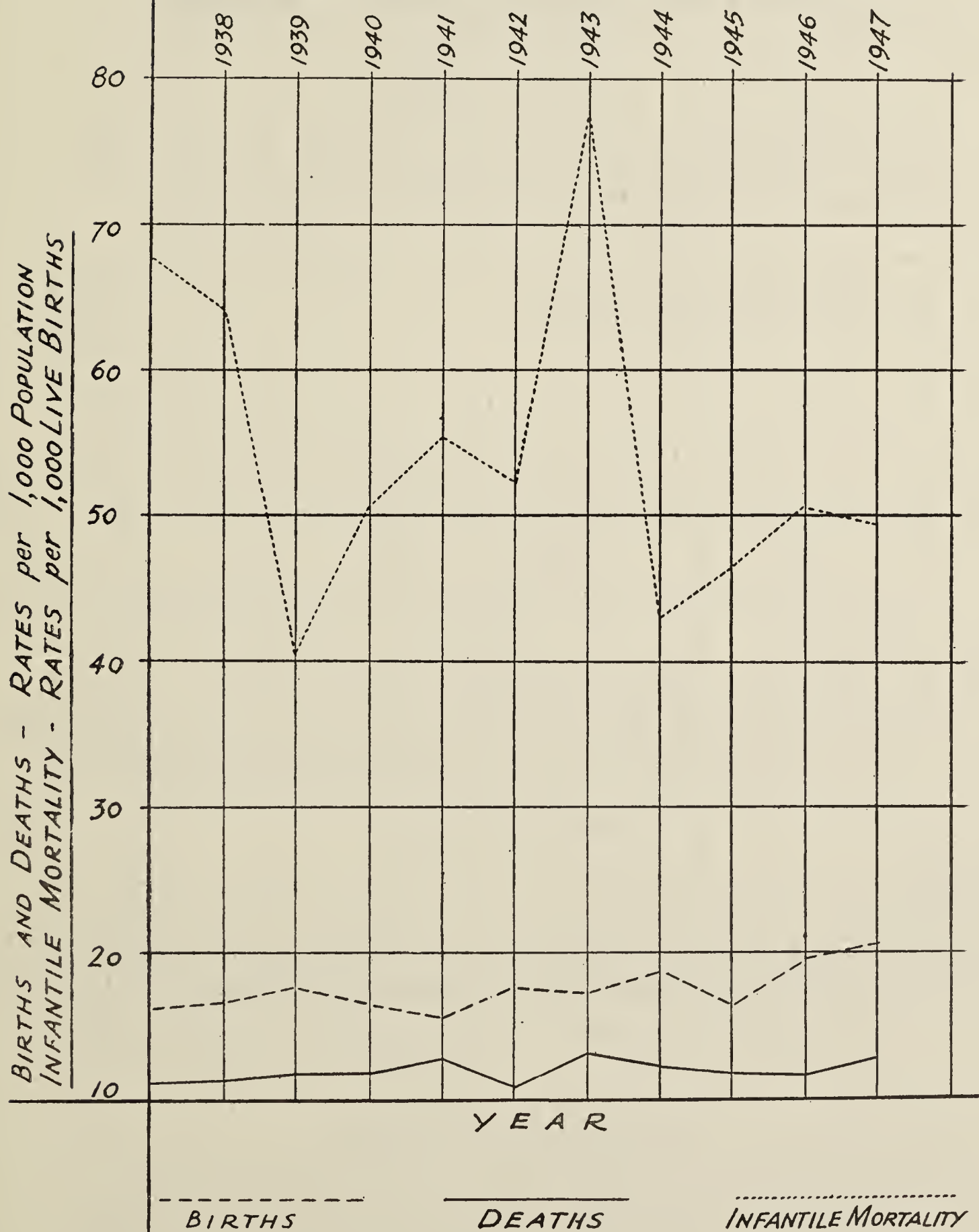
## THE REGISTRAR GENERAL'S SHORT LIST OF CAUSES OF DEATH DURING 1947

CAUSES OF DEATH					MALE	FEMALE
1	Typhoid and Paratyphoid Fever	...	...	...	—	—
2	Cerebro-Spinal Fever	...	...	...	—	—
3	Scarlet Fever	...	...	...	—	—
4	Whooping Cough	...	...	...	—	—
5	Diphtheria	...	...	...	—	—
6	Tuberculosis of Respiratory System	...	...	...	10	7
7	Other forms of Tuberculosis	...	...	...	3	1
8	Syphilitic diseases	...	...	...	—	—
9	Influenza	...	...	...	—	2
10	Measles	...	...	...	1	—
11	Acute Poliomyelitis	...	...	...	—	—
12	Acute Encephalitis	...	...	...	—	—
13	Cancer of Chest cavity, etc.	...	...	...	2	1
14	Cancer of Stomach and Duodenum	...	...	...	6	4
15	Cancer of Breast	...	...	...	—	2
16	Cancer of all other sites	...	...	...	13	8
17	Diabetes	...	...	...	1	—
18	Intra Cranial Vascular Lesions	...	...	...	19	21
19	Heart Diseases	...	...	...	47	49
20	Other Diseases of Circulatory System	...	...	...	6	6
21	Bronchitis	...	...	...	7	8
22	Pneumonia (all forms)	...	...	...	5	4
23	Other Respiratory diseases	...	...	...	3	—
24	Ulcer of Stomach or Duodenum	...	...	...	1	1
25	Diarrhoea (under 2 years)	...	...	...	—	—
26	Appendicitis	...	...	...	1	—
27	Other Digestive diseases	...	...	...	—	2
28	Nephritis	...	...	...	5	3
29	Puerperal Sepsis	...	...	...	—	—
30	Other Maternal causes	...	...	...	—	2
31	Premature Birth	...	...	...	—	3
32	Congenital Debility, Malformations, etc.	...	...	...	4	2
33	Suicide	...	...	...	—	1
34	Road Traffic Accidents	...	...	...	2	1
35	Other Violent causes	...	...	...	5	1
36	All other causes	...	...	...	9	9
					150	138

### 1947 Deaths—Whickham U.D. Compared with Rest of Country

	Whickham	County Durham	England and Wales	126 County Boroughs and Great Towns, inc. London	148 Smaller Towns Resident population 25,000 to 50,000
Deaths from all causes per 1,000 population ...	12.78	12.1	12.00	13.00	11.9
Infantile Mortality Rate per 1,000 live births	49.57	50.00	41.00	47.00	36.00

GRAPH SHOWING RISE AND FALL IN BIRTH AND DEATH RATES AND INFANTILE MORTALITY RATES. 1938-1947



SECTION B.

GENERAL PROVISIONS OF HEALTH SERVICES  
FOR THE AREA

Laboratory Facilities

All specimens for bacteriological examination are sent to the Public Health Laboratory, King's College, Newcastle upon Tyne, with which the Durham County Council has an agreement.

The majority of such specimens are examined free of cost to both practitioners and patients.

Bacteriological Examinations from Whickham District, 1947.																				
Year  1947	Blood				Faeces								Urine				Totals			
	Serological Examina's Enteric Fever		Cul're		Ent'ic		Dysen tery		Food Poison- ing Salmon ella, T. Murium		Organ isms		Ent'ic		Organ isms		T.B.		No. of Speci- men's	Posi- tive
	Posi've		Negative	No. of Specimens	Positive	No. of Specimens	Positive	No. of Specimens	Positive	No. of Specimens	Positive	No. of Specimens	Positive	No. of Specimens	Positive	No. of Specimen	Positive	No. of Specimen		
	Typh's	Para- Typh's																		
1st Quarter																3			3	
2nd Quarter			1			1										1			3	
3rd Quarter																				
4th Quarter								1				1							2	
Total			1			1		1				1				4			8	





### **Hospital Accommodation**

**(a) Infectious Diseases.** The Conjoint Infectious Diseases Hospital at Norman's Riding serves the needs of Blaydon, Ryton and Whickham.

**(b) Tuberculosis.** Various sanatoria are provided by Durham County Council for the treatment of tuberculosis. A tuberculosis dispensary is situated at Whickham.

**(c) General.** The Royal Victoria Infirmary, Newcastle, receives the greater proportion of medical and surgical cases and provides a convalescent home at Ryton.

Provision for the treatment of surgical cases is also available at Whickham and District War Memorial Cottage Hospital.

**(d) Midwifery and Gynaecology.** Of those midwifery and gynaecological cases sent to hospital, most find their way to the Princess Mary Maternity Hospital and to the Gynaecological Department of the Royal Victoria Infirmary or to Bensham Hospital.

**(e) Venereal Disease.** The County Council has an arrangement whereby such cases are treated at the Venereal Diseases Clinic, City Hospital, Westgate Road, Newcastle-on-Tyne.

## SECTION C.

### SANITARY CIRCUMSTANCES OF THE AREA

#### 1—Water Supply

Part of the Area is supplied by the Newcastle and Gateshead Water Company, and part by the Durham County Water Board. Both supplies have proved to be of satisfactory purity. The following additional details of the supply are given:—

Extensions to Water mains	...	...	...	84 lin. yds.
Houses supplied by direct main	...	...	...	6257
Houses supplied by standpipe	...	...	...	14
Houses supplied by wells and springs	...	...	...	8
Population supplied by direct main	...	...	...	22460
Population supplied by standpipe	...	...	...	46
Population supplied by wells and springs	...	...	...	24

#### 2—Closet Accommodation

At the end of the year there were in the Area 6,520 water closets and 173 privy ash closets.

#### 3—Public Cleansing and Salvage

The following information relating to Public Cleansing has been supplied by the Council's Surveyor.

Tons of refuse collected	...	...	...	...	7231
Number of separate premises served	..	...	...	...	6353
Kitchen waste salvaged	...	...	...	182 tons 7 cwts.	
Other materials	...	...	...	53 ,, 9 ,,	

#### 4—Sanitary Inspection of Area

##### Number and Nature of Inspections carried out by Sanitary Staff during the year

##### Public Health Acts

Sanitation and Buildings	...	...	...	...	160	
Nuisances and offensive trades	...	...	...	...	364	
Infectious diseases	...	...	...	...	9	
Watercourses, ditches, ponds	...	...	...	...	6	
Moveable dwellings	...	...	...	...	5	
Revisits	...	...	...	...	40	
Ineffectual visits	...	...	...	...	104	
					—	688

##### Milk and Dairies Orders

Cowsheds	...	...	...	...	6	
Dairies and Milkshops	...	...	...	...	44	
Revisits	...	...	...	...	5	
Ineffectual Visits	...	...	...	...	2	
					—	57

##### Food and Drugs Act, 1938

Visits in connection with surrender of unsound food and premises registered under Sec. 14	...	...				47
--	-----	-----	--	--	--	----

##### Factories Act, 1937

Sanitary conveniences	...	...	...	...	2	
-----------------------	-----	-----	-----	-----	---	--

##### Shops Act, 1934

Sanitary conveniences	...	...	...	...	3	
-----------------------	-----	-----	-----	-----	---	--

##### Rats and Mice Destruction Act, 1919

Rodent infestations	...	...	...	...	7	
---------------------	-----	-----	-----	-----	---	--



**Housing Management**

Visits in connection with the operation of the Council's							
coding scheme	...	...	...	...	...	...	414
Revisits	...	...	...	...	...	...	11
Ineffectual visits	...	...	...	...	...	...	119
							<hr/> 544
Sum total of visits							<hr/> 1348

**Summary of work done in the Sanitary Inspector's Department during 1947**

I. PUBLIC HEALTH ACTS.		Number of Informal written notices by Inspector	Number of Formal Notices by order of Authority	Number of Nuisances abated after Notice	General Remarks
Dwelling-houses and Schools.	Foul Conditions Structural Defects Overcrowding ...	270	80	101	
Waterclosets...	...	40	14	31	
Defective Yard Paving	...	5	4	—	
House Drainage	Defective Traps ...	7	—	7	
	No disconnection from sewers				
	Other Faults ...	19	3	12	
Water Supply	...	37	3	27	
Delapidated Dust Bins	...	29	8	18	
Other Nuisances	...	1	1	1	
TOTALS		408	113	197	

	Number	Remarks.
II. WATER, FOOD AND DRUGS		
Samples of Water taken for analysis	1	
“ “ condemned as unfit for use ...	—	★ A quantity of food was surrendered voluntarily
Seizures of Unwholesome Food ...	—★	See under Section E.

### III. PRECAUTIONS AGAINST INFECTIOUS DISEASE

Lots of Infectious Bedding stoved or destroyed ...	1
Houses disinfected after Infectious Disease ...	67
Schools do. do.	3
Prosecutions for exposure of infected persons or things	—
Convictions for do. do. do.	—

### Nature of Work Done as a result of Notices served

Chimney pots scraped ...	1
Chimney pots repaired ...	1
Main roofs repaired ...	20
Offshoot roofs repaired ...	5
Eaves gutters cleansed ...	2
Eaves gutters repaired ...	9
Rain water spouts repaired ...	7
Walls pointed ...	2
Yard steps repaired ...	1
Yard doors repaired ...	1
Coalhouse doors repaired ...	1
House doors repaired ...	2
Doorframes repaired ...	1
Walls treated for dampness ...	2
Walls replastered ...	6 rooms
Ceilings replastered ...	3
Window frames repaired ...	3
Window cords repaired ...	12 windows
Fireplaces repaired ...	7
Ovens repaired ...	1
Hot water systems repaired ...	2
Scullery walls replastered ...	2
Floors repaired ...	10
Scullery sinks repaired ...	2

Waste pipes repaired ... ..	7
Drains cleared ... ..	9
Inspection Chamber covers replaced ... ..	1
W.C. seats repaired ... ..	2
W.C. cisterns repaired ... ..	23
W.C. joint with drain repaired ... ..	1
W.C. pans replaced ... ..	2
W.C. Doors and doorframes repaired ... ..	4
Dust-bins provided ... ..	18
Burst water pipes repaired ... ..	23
Defective taps replaced ... ..	4

## 5—Factories

### Inspections for Purposes of Provisions as to Health

PREMISES	NUMBER OF			
	Premises on Register	Inspections	Written Notices	Occupiers Prosecuted
1. Factories with Mechanical power ...	49	2	—	—
2. Factories without Mechanical power ...	10	—	—	—
3. Other premises under the Act, including works building and engineering construction, but not including out-workers premises ... ..	1	—	—	—
4. Outworkers premises ...	—	—	—	—
TOTAL ... ..	60	2	—	—

## SECTION D.

### HOUSING AND HOUSING MANAGEMENT

The operation of the Council's coding scheme for the letting of houses has been centralised in the Health Department and the Chief Sanitary Inspector has acted as House Letting Officer. This has proved to be the most exacting of duties and approximately one half the official's time is taken up with the work.

The number of houses built in the Area during the year was as follows:—

(a) Houses built by private enterprise	...	...	...	26
(b) Permanent houses built by Whickham U.D.C.	...			53
(c) B.I.S.F. type permanent prefabs built by contract	...			20
			Total	99

Comparative figures are given:—

Houses Built	1935	1936	1937	1938	1939	1940 to 1944	1945	1946	1947	Total
By Whick'm U.D.C.	40	288	110	—	37	—	—	—	73	548
By Private Enterprise	135	115	219	122	43	—	1	12	26	673
Total	175	403	329	122	80	—	1	12	99	1221

Although only 73 new houses were available for letting by the Council, in all 165 allocations were made. This came about, not only as a result of a number of older types of houses falling vacant but also because of the Council's policy of moving families to accommodation more suitable to their needs.



House Allocations - Year 1947									
Ward.	Bungalows	2 bedrooms self-contained	2 bedrooms Do'nstairs Flats	3 bedrooms self-contained	3 bedrooms Upstairs Flats	4 bedrooms self-contained	5 Bedroom Parlour Type	Ex-Army Huts	Total
Dunston	6	6	10	56	11	2	2		93
Whickham	—	17	—	26	—	—	—	15	58
Swalwell	1	3	—	5	—	—	—	—	9
Marley Hill	—	4	—	—	—	—	1	—	5
Total ...	7	30	10	87	11	2	3	15	165

It was not found possible to commence any work under the following provisions of the Housing Act, 1936:—

Part II—With regard to the Repair, Demolition and Closing of Insanitary premises.

Part III—With regard to the abatement of overcrowding. (Except as under).

There were no inspections under the Housing Consolidated Regulations, 1925.

Complaints and building defects found as a result of routine inspection have been dealt with as far as possible under the provisions of the Public Health Act, 1936. The number of visits is reported elsewhere. A considerable amount of work has also been done informally as a result of personal contact between landlords and sanitary staff.

Because of the war years, no reliable figures exist as to the state of overcrowding in the District. A number of cases of overcrowding have been abated by the local authority as a result of moving families from small to larger houses as the building programme progressed. This released a number of small houses for re-letting and in this way overcrowding was abated, in some instances, in private houses by moving out a married son or a married daughter into the small council house.

The number of cases of overcrowding relieved in private houses was 65; and in Council houses 41, making a total of 106 altogether. In addition 12 tuberculous families were more adequately re-housed.

## SECTION E.

### INSPECTION AND SUPERVISION OF FOOD

#### Milk Supply

The number of milk producers and retailers in the Urban District at the end of the year was as follows:—

- |   |    |
|---|----|
| 1. Dairy farms and cowkeepers premises ... .. | 15 |
| 2. Dairies and milk shops ... ..              | 6  |

The number of licences issued by the County Council in respect of establishments at which “ Accredited ” milk was produced but not bottled was two; and in respect of establishments at which “ Accredited ” milk was produced and bottled, one.

There were two licences issued by the Urban District Council in respect of establishments from which “ Tuberculin Tested ” milk was sold. Two “ Supplementary Licences ” were issued in respect of milk sold in this Area but heat-treated at premises outside the Area, and one licence was issued authorising the Special Designation “ Pasteurised.”

During the year 65 samples of milk were taken for bacteriological examination. Of this number 15 were heat-treated milks and 50 were raw. The results of the examinations are tabulated.

#### MILK SAMPLING, 1947. Results of Bacteriological Examination

Type of Milk and Tests to which it was submitted	No. of Samp's Taken	Samples submitted to							
		Phosphatase Test		Methylene Blue Test		Coliform Test		Animal Inoculation for Tuberculosis	
		Sat'fied	Did not satisfy	Sat'fied	Did not satisfy	Sat'fied	Did not Satisfy	Sat'fied	Did not Satisfy
Heat treated Milks submitted to phosphatase and methylene blue tests	15	15		11	4				
Raw milks submitted to methylene blue & coliform tests	27			22	5	26	1		
Raw milks submitted to animal inoculation for tuberculosis test	23							22	1

## Inspection of Meat and Other Foods

There are no slaughter-houses in use in the District at the moment as the slaughter of animals is centralised in Newcastle. The following foodstuffs were surrendered as unfit for human consumption and were either destroyed or salvaged for pig-feeding, according to the degree of fitness:—

### Tinned Goods

Peas ... ..	17	Pilchards ... ..	6
Beans ... ..	8	Sardines ... ..	2
Baked Beans ... ..	25	Salmon ... ..	11
Carrots ... ..	23	Ham ... ..	2
Potatoes ... ..	1	Treet ... ..	1
Tomatoes ... ..	1	Spam ... ..	1
Luncheon Meat ... ..	16	Bacon ... ..	1
Pressed Beef Loaf ... ..	1	Irish Stew ... ..	3
Minced Beef Loaf ... ..	2	Meat and Vegetable ... ..	1
Veal Loaf ... ..	1	Steak and Kidney ... ..	4
Corned Beef ... ..	5	Pate-de-Foie ... ..	2
Roast Beef ... ..	3	Stewed Steak ... ..	4
Vienna Sausage ... ..	2	Evaporated Milk ... ..	99
Sausage ... ..	4	Jam ... ..	4
Apricots ... ..	1	Soup ... ..	51
Grape fruit ... ..	2	Spaghetti ... ..	1
Plums ... ..	1		

### Other Foodstuffs

Jars of Jam ... ..	27	Pkts. of Steam puddings	120
„ „ Mixed Pickles ... ..	36	„ „ Rusks ... ..	72
„ „ Pickled Onions... ..	31	„ „ Cocoa spread... ..	13
„ „ Herring fillets ... ..	30	„ „ Soup ... ..	144
„ „ Salmon paste ... ..	1	„ „ Gravy salt ... ..	72
„ „ Crab paste ... ..	1	„ „ Friquix ... ..	432
Sugar 66½lbs. ; Lard		2ozs. ; Beef 152lbs. ;	

Tea	6lbs.	;	Cheese	1lb.	;	Figs	45 $\frac{1}{4}$ lbs.	;
Margarine	$\frac{1}{2}$ lb.	;	Bacon	29 $\frac{1}{4}$ lbs.	;	Biscuits	2lbs.	;
Butter	4 $\frac{1}{4}$ lbs.	;	Eggs	700	;	Potatoes	194 $\frac{1}{2}$ lbs.	;
Bread	62lbs.	;	Macaroni	28lb.	;			



## SECTION F.

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE

The number of cases of infectious disease notified during the year was 333 as compared with 336 in 1946.

<b>Smallpox</b>	}	There were no cases notified.
<b>Cholera</b>		
<b>Membranous Group</b>		
<b>Typhus fever</b>		
<b>Typhoid fever</b>		
<b>Relapsing fever</b>		

#### **Diphtheria**

Four cases were notified but only one proved to be positive. This compares favourably with thirty-one notified cases in 1946 of which twenty-six proved positive.

#### **Scarlet fever**

Forty-four cases were notified of which forty-two proved to be positive. In 1946 there were forty-seven cases notified and forty-six were positive.

#### **Enteric fever**

Only one case was notified and this proved to be negative.

#### **Erysipelas**

Two cases were notified as against four in 1946.

#### **Pneumonia**

Twenty-two cases were notified as compared with 40 in 1946.

#### **Cerebro-Spinal Meningitis**

Seven cases were notified but only two proved positive. There were none in 1946.

**Poliomyelitis**

Thirteen cases were notified. Five proved positive. There were none in 1946.

**Measles**

Two hundred and eleven cases this year, an increase of 48 on the total for 1946.

**Whooping Cough**

Only twenty-six notified cases as compared with thirty-six in 1946.

**Ophthalmia Neonatorum**

One case was notified. There were two in 1946.

**Puerperal Pyrexia**

No cases notified (one in 1946).

**Tuberculosis**

During the year thirty-eight cases of pulmonary tuberculosis were notified and six cases of non-pulmonary tuberculosis. More detailed figures are given later.

No action was necessary under the Public Health (Prevention of Tuberculosis) Regulations, 1925, with regard to the employment of tuberculous persons in dairies, etc., nor under Sec. 172 of the Public Health Act, 1936.

**Incidence of Diphtheria, Scarlet Fever, and Tuberculosis in the Whickham Area**

A graph is given on page 29 showing the rise and fall of these diseases over the past 10 years.

**Active Immunisation against Diphtheria**

The number of children completing treatment was as under:—

Age Groups	By Whickham U.D.C.	By Family Doctors	By County Council	By other Neighbour- ing Authorities	Totals
Under 1 year		5	28		33
1 year	33	10	183		226
2 years	18	2	29	1	50
3 „	2	—	4	1	7
4 „	3	—	6	1	10
Totals	56	17	250	3	326
5 to 9 years	18	4	13	2	37
10 to 14 years	5	—	—	—	5
Totals	23	4	13	2	42

### Reinforcing Injections

Age Groups	By Whickham U.D.C.	By Family Doctors	By County Council	By other Neighbour- ing Authorities	Totals
Under 5 years	3	—	6	—	9
5 to 9 years ...	36	—	20	11	67
10 to 14 years	13	—	—	14	27
Totals	52	—	26	25	103

It will be noted that 368 children completed the course during the year as compared with 309 in 1946 and 103 were given reinforcing injections as compared with 17 last year.

The number of children in the Area under the age of 15 who have been fully immunised is 3,538 or 67.13% of the child population.

The number of schoolchildren protected, i.e., those in age groups 5 to 14 is 80.93% and the number of children 5 years, 41.83%

DISEASES	Total Cases notified	AGE GROUPS.										Cases admitted to hospital.
		Under 1 year	1-5 years	5-15 years	15-25 years	25-35 years	35-45 years	45-55 years	55-65 years	65 and over	Unknown	
Smallpox ... ..	—											
Scarlet Fever ... ..	44		7	33	2	2						44
Diphtheria ... ..	4		3	1								4
Enteric (Paratyphoid) ... ..	1				1							1
Puerperal Fever ... ..	—											
Puerperal Pyrexia ... ..	—											
Erysipelas ... ..	2						1			1		
Measles ... ..	211		110	101								
Pneumonia ... ..	22		2	3	2	1	2	1	5	6		
Acute Poliomyelitis... ..	13		5	6		2						11
Encephalitis Lethargica ... ..	—											
Whooping Cough ... ..	26		19	7								
Cerebro Spinal Men. ... ..	7		4	1				2				3
Dysentery ... ..	—											
Ophthalmia Neonatorum ... ..	1	1										
Malaria ... ..	2					1		1				
Totals	333	1	150	152	5	6	3	4	5	7		63

Notifications of Infectious Diseases during 1947.

Diseases.	MONTHS.												Totals	WARDS				Corrected Figure (Totals)
	Jan'y	Feb'y	March	April	May	June	July	Aug't	Sept.	Oct'er	Nov'r	Dec'r		Dunston	Whick'm	Swalwell	Mar. Hill	
Smallpox ... ..													—					
Scarlet Fever .. ..	1	2	1				1	2	7	8	14	8	44	36	3	1	4	42
Diphtheria ... ..	1				2			1					4	3		1		1
Enteric (Paratyph'd) ... ..		1											1				1	
Puerperal Fever ... ..																		
Puerperal Pyrexia ... ..																		
Erysipelas ... ..							1		1				2			1	1	2
Measles ... ..	79	115	12		1	2	2					2	211	146	37	13	15	211
Pneumonia ... ..	13	2	3				1		2		1		22	5	11	2	4	22
Acute Poliomyelitis ... ..							2	8	3				13	6	1	1	5	5
Encephalitis Leth'ca ... ..																		
Whooping Cough .. ..		2		2	1	10		6	1		4		26	4	2	3	17	26
Cerebro-spin. Men... ..	1				4	1		1					7	4	2		1	2
Dysentery ... ..																		
Ophthalmia Neon'um ... ..				1									1		1			1
Malaria ... ..	1	1											2	2				2
Totals	96	123	16	3	8	11	7	18	14	8	19	10	333	206	57	22	48	315



**Tuberculosis.**

Cases notified during 1947.

	Total	Dunston	Whic'ham	Swalwell	Mar. Hill
Respiratory ...	38	20	8	8	2
Non-Respiratory ...	6	4	2	—	—
Total	44	24	10	8	2

## New Cases and Mortality during 1947

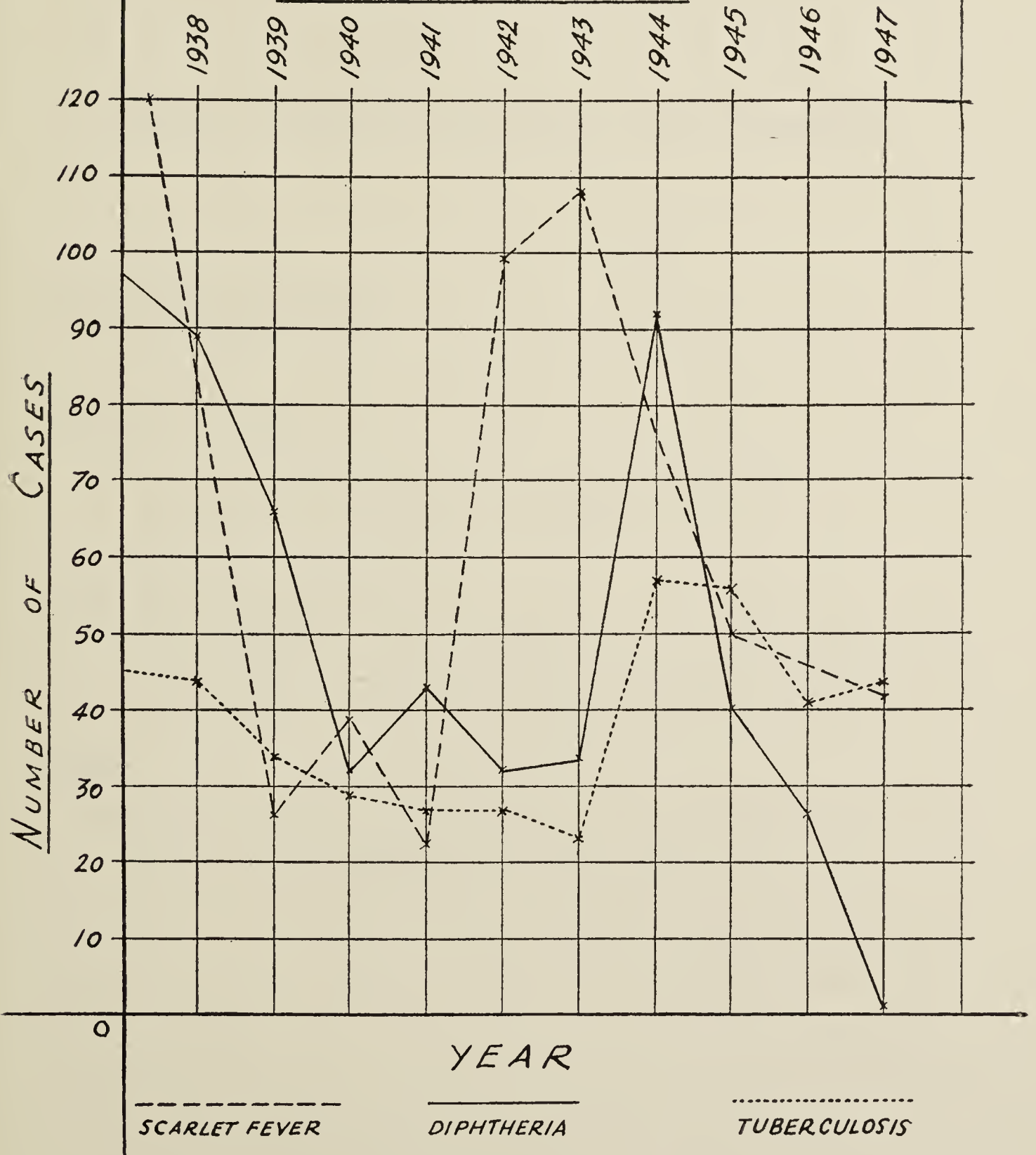
Age Periods	New Cases.				Deaths.			
	Respiratory		Non-respiratory		Respiratory		Non-respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 yr.	1	—	—	—	—	—	—	—
1 — 5	1	—	—	1	2	—	—	1
5 — 15	2	2	2	1	—	—	1	—
15 — 25	7	3	—	—	2	2	—	—
25 — 35	5	4	—	1	—	5	—	—
35 — 45	3	2	—	—	—	1	—	—
45 — 55	2	—	—	—	1	—	—	—
55 — 65	1	—	—	—	4	1	—	—
65 and over	—	—	—	—	—	—	—	—
Totals	22	11	2	3	9	9	1	1

Sex	No. of cases of Tuberculosis on Register at commencement of year.		No. of cases of Tuberculosis on Register at end of year 1947	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Male ...	141	95	151	94
Female ...	111	89	113	89
Total	252	184	264	183

## Removals from Register.

Reasons.	Totals	Pulmonary		Non-Pulmonary	
		M.	F.	M.	F.
Died ... ..	20	9	9	1	1
Diagnosis not confirmed	2	—	—	—	2
Removed from district ...	8	5	1	1	1
Recovered ... ..	3	—	2	1	—
Totals	33	14	12	3	4

INFECTIOUS DISEASES IN THE WHICKHAM  
URBAN DISTRICT AREA







## **PUBLIC HEALTH OFFICERS OF THE AUTHORITY**

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### **Medical Officer of Health**

H. MORRISON, M.B., B.S., B.Hy., D.P.H., L.S.A. (London).

### **Sanitary Inspector**

GEO. E. HARDY, Cert. S.I.B., M.S.I.A., Cert. R.S.I. Meat and other Foods. (Resigned 31st January, 1947.)

### **Chief Sanitary Inspector**

A. P. ROBINSON, Cert. R.S.I. and S.I. Examination Joint Board. M.S.I.A. Associate Royal Institute of Public Health and Hygiene. (Commenced duties 31st March, 1947.)

### **Clerk**

GEORGE OXLEY, Cert. R.S.I. and S.I. Examination Joint Board. (Resigned 15th November, 1947.)





